

**ABSTRACT**

Granulated products are provided and include carbonaceous particles and a carbonized agent or binder. The agent or binder is preferably a synthetic resin, pitch component, or mixture thereof. Packing materials for packing columns used in chromatographic separations are also provided as are methods of chromatographic separation using the materials. In addition, methods are provided to provide a variety of different types of carbonaceous products. A variety of chemical groups can be, prior to heat-treatment and/or thereafter, attached to the granules to form modified granules.